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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	09/758,712
				Filing Date	January 11, 2001
				First Named Inventor	Peter D. Wendt
				Art Unit	2621
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	SONY 3.0-021

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

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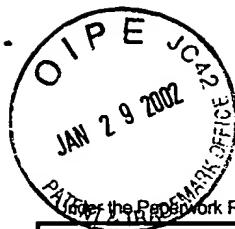
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S.A	A	M. Kutter, Watermarking Resisting to Translation, rotation, and scaling, Signal Processing Laboratory, Swiss Federal Institute of Technology			

Examiner Signature	<i>S. A.</i>	Date Considered	3/2/04
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S.A	A	6,047,374	04-04-2000	Barton	
S.A	B	6,282,300	08-28-2001	Bloom et al.	

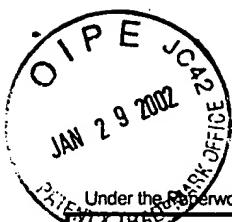
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S.A	A	V. Solachidis and I. Pitas, "Circularly Symmetric Watermark Embedding in 2-D.DFT Domain," IEEE Article, pp. 3469-3472, 1999.			
	B	V. Licks, R. Jordan, "On Digital Image Watermarking Robust To Geometric Transformations," IEEE Article, pp. 690-693, 2000.			
	C	Zhicheng Ni, Eric Sung and Yun Q. Shi, "Enhancing Robustness of Digital Watermarking against Geometric Attack Based on Fractal Transform," IEEE Article, pp. 1033-1036, 2000.			
	D	Masoud Alghoniemy and Ahmed H. Tewfik, "Image Watermarking By Moment Invariants," IEEE Article, pp. 73-76, 2000.			
	E	Anatasios Tefas and Ioannis Pitas, "Multi-Bit Image Watermarking Robust To Geometric Distortions," IEEE Article, pp.710-713, 2000.			
	F	P. Termont, L. DeStrycker, J. Vandewege, M. Op de Beeck, J. Haitsma, T. Kalker, M. Maes and G. Depovere, "How To Achieve Robustness Against Scaling In A Real-Time Digital Watermarking System For Broadcast Monitoring," IEEE Article, pp. 407-410, 2000.			
	G	Min-Suk Hong, Tae-Yun Chung, Kang-Seo Park and Sang-Hui Park, "A Private/Public Key Watermarking Technique Robust To Spatial Scaling," IEEE Article, pp. 102-103, 1999.			
	H	Nopporn Chotikamthorn and Siriporn Pholsomboon, "Ring-shaped Digital Watermark for Rotated and Scaled Images Using Random-Phase Sinusoidal Function," IEEE Article, pp. 321-325, 2001.			
	I	Joseph J.K. O Ruanaidh and Thierry Pun, "Rotation, Scale and Translation Invariant Digital Image Watermarking," IEEE Article, pp. 536-539, 1997.			
	J	Ching-Yung Lin, Min Wu, Jeffrey A. Bloom, Ingemar J. Cox, Matt L. Miller and Yui Man Lui, "Rotation, Scale, and Translation Resilient Watermarking for Images," IEEE Article, pp. 767-782, 2001.			
	K	Sofia Tsekeridou, Nikos Nikolaidis, Nikos Sidiropoulos and Ioannis Pitas, "Copyright Protection of Still Images Using Self-Similar Chaotic Watermarks," IEEE Article, pp 411-414, 2000.			
	L	Chun-Shien Lu and Hong-Yuan Mark Liao, "Video Object-Based Watermarking: A Rotation and			



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Sheet

2

of

2

Attorney Docket Number

		Flipping Resilient Scheme," IEEE Article, pp. 483-486, 2001.
S.A	M	Shelby Pereira, Joseph J. K. O Ruanaidh, Frederic Deguillaume, Gabriela Csurka and Thierry Pun, "Template Based Recovery of Fourier-Based Watermarks Using Log-polar and Log-log Maps," IEEE Article, pp. 870-874, 1999.
	N	Shelby Pereira and Thierry Pun, "Transform for Digital Image Watermarking,"
	O	S. Tsekeroiou and I. Pitas, "Wavelet-Based Self-Similar Watermarking For Still Images," IEEE Article, pp. I-220-I-223, 2000.
	P	I. Mora-Jimenez and A. Navia-Vazquez, "A New Spread Spectrum Watermarking Method With Self-Synchronization Capabilities," IEEE Article, pp. 415-418, 2000.
V	Q	Shelby Pereira and Thierry Pun, "Robust Template Matching for Affine Resistant Image Watermarks," IEEE Article, pp. 1123-1129, 2000.
	R	Martin Kutter, "Towards Affine Invariant Image Watermarking Schemes," Swiss Federal Institute of Technology, Lausanne, pp. 1-27.
	S	R. Caldelli, M. Barni, F. Bartolini and A. Piva, "Geometric-Invariant Robust Watermarking Through Constellation Matching In The Frequency Doman," IEEE Article, pp. 65-68, 2000.
	T	I. Burak Ozer, Mahalingam Ramkumar and Ali N. Akansu, "A New Method For Detection Of Watermarks In Geometrically Distorted Images," IEEE Article, pp. 1963-1966, 2000.
	U	D. Delannay and B. Macq, "Generalized 2-D Cyclic Patterns For Secret Watermark Generation," IEEE Article, pp. 77-79, 2000.
	V	H.Z. Hel-Or, Y. Yitzhaki and Y. Hel-Or, "Geometric Hashing Techniques For Watermarking," IEEE Article, pp. 498-501, 2001.
	W	Sviatoslav Voloshynovskiy, Frederic Deguillaume and Thierry Pun, "Multibit Digital Watermarking Robust Against Local Nonlinear Geometrical Distortions," IEEE Article, pp. 999-1002, 2001.
	X	Ross J. Anderson and Fabien A.P. Petitcolas, "Information Hiding An Annotated Bibliography," Computer Laboratory, University of Cambridge, pp. 1-62.
	Y	M. Kutter, S.K. Bhattacharjee and T. Ebrahimi, "Towards Second Generation Watermarking Schemes," IEEE Article, pp. 320-323, 1999.
-	Z	N. Kaewkamnerd and K.R. Rao, "Wavelet Based Watermarking Detection Using Multiresolution Image Registration," IEEE Article, pp. II-171-II-175, 2000.
	AA	P. Termont, L. DeStrycker, J. Vandewege, J. Haitsma, T. Kalker, M. Maes, G. Depovere, A. Langell, C. Alm, P. Norman, "Performance Measurements of a Real-time Digital Watermarking System for Broadcast Monitoring," IEEE Article, pp. 220-224, 1999.
	AB	Maurice Maes, Ton Kalker, Jaap Haitsma and Geert Depovere, "Exploiting Shift Invariance to Obtain a High Payload in Digital Image Watermarking," IEEE Article, pp. 7-12, 1999.
P	AC	Jean-Paul Linnartz, Ton Kalker and Jaap Haitsma, "Detecting Electronic Watermarks In Digital Video," Philips Researchpp. 1-4.
✓	AD	Fabien A.P. Petitcolas, Ross J. Anderson and Markus G. Kuhn, "Information Hiding – A Survey," IEEE Article, pp. 1062-1078, 1999.

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